

## § 53.05–1

or less than 454 °C (850 °F). The design temperature of parts exposed to the exhaust gas must be the maximum temperature that could normally be produced by the source of exhaust gas. This temperature shall be verified by testing or by the manufacturer of the engine or other equipment producing the exhaust.

(e) Heating boilers whose operating conditions are within the service restrictions of § 53.01–10(b)(1) may be constructed in accordance with section I of the ASME Boiler and Pressure Vessel Code (incorporated by reference; see 46 CFR 53.01–1). In addition, these heating boilers must:

(1) Be stamped with the appropriate ASME Code symbol in accordance with PG–104 through PG–113 of section IV of the ASME Boiler and Pressure Vessel Code;

(2) Meet the service restrictions of § 53.01–10(b)(2) if made of cast iron;

(3) Have safety valves which meet the requirements of § 52.01–120 of this subchapter;

(4) If a hot water supply boiler, have a temperature relief valve or a pressure-temperature relief valve in accordance with § 53.05–2(c);

(5) If automatically controlled, meet the applicable requirements in part 63 of this subchapter; and

(6) Meet the inspection and test requirements of § 53.10–3.

(f) *Controls and miscellaneous accessories.* Refer to part 63 of this subchapter for the requirements governing controls and miscellaneous accessories.

[CGFR 68–82, 33 FR 18826, Dec. 18, 1968, as amended by CGD 81–79, 50 FR 9435, Mar. 8, 1985; USCG–2003–16630, 73 FR 65163, Oct. 31, 2008]

## Subpart 53.05—Pressure Relieving Devices (Article 4)

SOURCE: CGD 81–79, 50 FR 9435, Mar. 8, 1985, unless otherwise noted.

### § 53.05–1 Safety valve requirements for steam boilers (modifies HG–400 and HG–401).

(a) The pressure relief valve requirements and the safety valve requirements for steam boilers must be as indicated in HG–400 and HG–401 of section IV of the ASME Boiler and Pressure

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Vessel Code (incorporated by reference; see 46 CFR 53.01–1) except as noted otherwise in this section.

(b) Each steam boiler must have at least one safety valve.

[CGD 81–79, 50 FR 9435, Mar. 8, 1985, as amended by USCG–2003–16630, 73 FR 65163, Oct. 31, 2008]

### § 53.05–2 Relief valve requirements for hot water boilers (modifies HG–400.2).

(a) The relief valve requirements for hot water boilers must be as indicated in article 4 of section IV of the ASME Boiler and Pressure Vessel Code (incorporated by reference; see 46 CFR 53.01–1) except as noted otherwise in this section.

(b) *Hot water heating boilers.* Each hot water heating boiler must have at least one safety relief valve.

(c) *Hot water supply boilers.* Each hot water supply boiler must have at least one safety relief valve and a temperature relief valve or a pressure-temperature relief valve. The valve temperature setting must not be more than 99 °C (210 °F).

[CGD 81–79, 50 FR 9435, Mar. 8, 1985, as amended by USCG–2003–16630, 73 FR 65163, Oct. 31, 2008]

### § 53.05–3 Materials (modifies HG–401.2).

Materials for valves must be in accordance with HG–401.2 of section IV of the ASME Boiler and Pressure Vessel Code (incorporated by reference; see 46 CFR 53.01–1) except that nonmetallic materials may be used only for gaskets and packing.

[USCG–2003–16630, 73 FR 65164, Oct. 31, 2008]

### § 53.05–5 Discharge capacities and valve markings.

The discharge capacities and valve markings must be as indicated in HG–402 of section IV of the ASME Boiler and Pressure Vessel Code (incorporated by reference; see 46 CFR 53.01–1). The discharge capacities must be certified by the National Board of Boiler and Pressure Vessel Inspectors.

[USCG–2003–16630, 73 FR 65164, Oct. 31, 2008]